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## DIRECTOR OF CENTRAL INTELLIGENCE Committee on Imagery Requirements and Exploitation Washington, DC 20505

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MEMORANDUM FOR: Director, Intelligence Community Staff
VIA: Deputy Director, Intelligence Community Staff Chairman, COMIREX
SUBJECT: Trip ReportPacific Northwest Laboratory and Lawrence Livermore National Laboratory (U)
1. <u>Itinerary</u> : 24 - 25 October 1983Pacific Northwest Laboratory, Richland, Washington; 26 - 27 October 1983Lawrence Livermore National Laboratory, Livermore, California. (U)
25X1  -3Purpose: To gain added understanding of important US nuclear programs
and the application of US nuclear expertise to the analysis of analogous foreign programs with emphasis on the role of imagery. (U)
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5. Activities: Pacific Northwest LaboratoryReceived briefing on history of nuclear activities at Hanford/Richland beginning with construction of Hanford plutonium production reactors during World War II. Visited Reactor Fuel Fabrication Building, decommissioned K West Production Reactor, operating N Production Reactor, Z-Plant Plutonium Processing Facility, and PUREX Chemical Separation Plant. Received briefings on use of multispectral imagery in analyzing nuclear-related activities; visited Digital Imagery Laboratory and received briefings on use of multiple imagery and related data sources in creating specialized geophysical maps and charts. Visited Digital Computer Laboratory for briefings and demonstrations on specialized uses of artificial intelligence and the analysis of especially large multidimensional data sets. Discussed tasking procedures and acquisition of appropriate imagery. (U)

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- 6. Observations: The briefings and visits were of uniformly high quality and exceptionally informative. The schedules were realistic and easily adhered to. Without exception, the briefers appeared enthusiastic about the projects they described, and these projects appeared well conceived and well executed. The importance of a thorough understanding of US research, development, and testing programs in analyzing analogous foreign programs cannot be overemphasized. Every effort should be made to assure that the imagery needs of properly accredited US experts, such as those encountered during this trip, are expressed promptly and clearly and appropriately considered. (C)
- 7. Recommendation: That COMIREX fully support the efforts of the Department of Energy member to develop and codify appropriate imagery tasking and transmittal procedures in support of the analytical efforts of the specially designated national laboratories. (C)

Vice Chairman, COMIREX

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SUBJECT: Trip Report--Pacific Northwest Laboratory and Lawrence

Livermore National Laboratory (U)

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